

BUYING A SAFER CAR 2000

Valuable Information on: Crash Tests, Safety Features and Buying Tips



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Safety First

In response to the public's increasing concern about safety, many manufacturers are designing vehicles with crash protection and safety features beyond the minimum standards set by the federal government. Key questions to ask when looking to buy a safer car are:

- *How well does this vehicle protect people during a crash?*
- *What features does this vehicle have that help you avoid a crash?*
- *What other types of safety features does this vehicle have?*

The National Highway Traffic Safety Administration (NHTSA), an agency of the U.S. Department of Transportation conducts crash tests of new vehicles to determine the extent to which drivers and passengers might be protected from injury during frontal and side crashes. The results of these tests, along with safety features information for year 2000 vehicles are contained in the charts in the back of this pamphlet. Together with the material below, this information will help you purchase a safer car. Learn about:

- *The value of buying vehicles with advanced safety features*
- *How crash-test ratings help you compare vehicle safety*
- *The purpose and function of new car safety features*
- *Additional cost and safety considerations*
- *How to perform a safety check*
- *How to get more information from DOT's web site and hotline*

Get the Most Value for Your Dollar

Driving a vehicle with advanced safety features and a high rating for crash protection may not only save the life of someone you know and reduce injuries in the event of a crash, it may also save you money. In some states, certain safety features on a vehicle, such as air bags and anti-lock brakes, reduce the cost of insurance. Safety features and high crash protection ratings may also boost your vehicle's resale value because consumers are increasingly recognizing the importance of vehicle safety. Whether you are concerned about safety or saving money, knowing about the latest in safety technology and crash-test ratings enables you to compare all new vehicle features so that you get the most value for your dollar.

Consider Crash-Test Ratings

Each year, NHTSA's New Car Assessment Program (NCAP) crash tests cars, light trucks, sport utility vehicles, and vans that are new, popular, redesigned, or have improved safety equipment. These vehicles are then rated on how well they protect drivers and passengers during frontal and side collisions. The Program uses a five star system for rating vehicles, with five stars indicating the highest safety rating and one star the lowest. Although it is impossible to assess how well a vehicle provides protection in all circumstances using a single test, NCAP ratings provide a useful basis for comparing vehicle safety. In reviewing the front and side impact ratings, keep in mind that of the over 3 million severe crashes annually, approximately 1.6 million are frontal crashes, while approximately 800,000 are side crashes.

Crash Testing for Frontal Collisions

For testing frontal collisions, crash-test dummies are placed in driver and front passenger seats and secured with the vehicle's seat belts. Vehicles are crashed into a fixed barrier at 35 miles per hour (mph), which is equivalent to a head-on collision between two identical vehicles each moving at 35 mph. *Since the test reflects a crash between two identical vehicles, you can only compare vehicles from the same weight class when looking at frontal crash protection ratings.*

Instruments measure the force of impact to each dummy's head, chest, and legs. The resulting information indicates a belted person's chances of incurring a serious injury in the event of a crash. In the explanation of ratings below, a serious injury is one requiring immediate hospitalization and may be life threatening.

- ★★★★★ = 10% or less chance of serious injury
- ★★★★ = 11% to 20% chance of serious injury
- ★★★ = 21% to 35% chance of serious injury
- ★★ = 36% to 45% chance of serious injury
- ★ = 46% or greater chance of serious injury

Crash Testing for Side Collisions

For side collisions, testing represents an intersection-type collision with a 3,015 pound barrier moving at 38.5 mph into a standing vehicle. The barrier is covered with crushable material to replicate the front of a vehicle. Side collision star ratings indicate the chance of a life threatening chest injury for the driver, front seat passenger, and the rear seat passenger. Head injury is not measured in these tests. As with the front impact ratings, a serious injury is one requiring immediate hospitalization and may be life threatening. *Since all tested vehicles are impacted by the same size barrier, it is possible to compare vehicles from the different weight classes when looking at side crash protection ratings.*

- ★★★★★ = 5% or less chance of serious injury
- ★★★★ = 6% to 10% chance of serious injury
- ★★★ = 11% to 20% chance of serious injury
- ★★ = 21% to 25% chance of serious injury
- ★ = 26% or greater chance of serious injury

Rollovers and Side Collision Crash Tests

Some sport utility vehicles (SUVs) tipped over when struck in a side impact collision during testing. Since the NCAP test was not designed to measure a vehicle's rollover propensity, NHTSA does not know if these vehicles are more prone to rollover in side impact crashes than other SUV models. Nonetheless, the tests do reinforce real-world crash experience that shows that, when struck in a side impact collision, SUVs are more prone to roll over than other types of vehicles. The star ratings for SUVs that tipped over are indicated by a ††.

It should be noted that the majority of rollovers occur during extreme driving maneuvers, not during side impacts. Sport utility vehicles are generally more prone to roll over than other vehicle types. This may be attributed to their higher ground clearance and narrow width (useful features when operating off-road). Because of these features SUVs tend to be top-heavy, making them more likely to roll over in a crash, especially if they are carrying roof loads.

Consider Weight

Crash data show that heavy vehicles offer more protection than light vehicles with the same safety equipment, particularly in two-vehicle crashes.

Compare Safety Features

The following descriptions provide basic information on each feature and how it works. This information will help you understand sales literature and prepare you to ask questions of the dealer. Be aware that some manufacturers may use other design features that perform the same function as those described.

Seat Belts

In the event of a crash, seat belts are designed to keep you inside the vehicle. They also reduce the risk that you will collide with the steering wheel, dashboard, or windshield. New seat belt designs have additional features that improve seat belt performance.

Adjustable upper belts. An adjustable upper belt lets you change the position of the shoulder strap to accommodate a person's size. This feature may encourage passengers to wear their belts, since it increases shoulder belt comfort.

Seat belt pretensioner. Pretensioners retract the seat belt to remove excess slack, almost instantly, in a crash. However, you still need to adjust your seat belt as snugly as possible, since pretensioners are not powerful enough to pull you back into your seat. Like air bags, pretensioners are usually "one use" devices and need to be replaced after a crash.

Energy management features. Energy management features allow seat belts to "give" or yield to prevent forces on the shoulder belt (during a severe crash) from concentrating too much energy on your chest. These features include "load limiters" built into the shoulder belt retractor and/or "tear stitching" in the webbing that causes the seat belt to extend gradually.

Integrated seat-belt systems. These systems mount the entire seat belt system directly to the seat, rather than to the floor or pillar. This allows the seat belt to move with you when you move the seat. Integrated systems provide a more consistent and comfortable fit and are intended to more effectively hold you in your seat during a crash.

Rear center seat lap/shoulder belts. Although manufacturers are only required to have lap belts in the rear center position, some provide a lap/shoulder belt. This added feature is especially beneficial to older children and children in booster seats who are often seated in the rear center position.

Air Bags

Depending on the speed at impact and the stiffness of the object struck, front air bags inflate to prevent occupants from hitting the dashboard, steering wheel, and windshield. Side air bags reduce the risk that occupants will hit the door or objects that crash through it. Front air bags for both drivers and

passengers are standard equipment in all year 2000 model vehicles.

Warning!!! Children can be killed or seriously injured by an air bag. Always put children age 12 and under in the rear seat.

Never use a rear-facing child seat in the front seat of a vehicle equipped with a front passenger air bag unless the air bag is off, even if the vehicle has reduced-power air bags.

The force of a deploying air bag on a child in a rear-facing infant seat may cause fatal injuries. Some vehicles without rear seats or with small rear seats are equipped by the vehicle manufacturer with an air bag on/off switch allowing the use of a rear-facing child seat. NHTSA's Buying a Safer Car for Child Passengers brochure provides a list of these vehicles as well as other important information you should consider when purchasing a vehicle if you transport children (see page 9 on obtaining a copy). Children must ride in a rear-facing child seat until they weigh at least 20 pounds, regardless of age. If your child weighs more than 20 pounds and is not yet one- year old, use a rear-facing convertible seat that is made for heavier infants.

Front air bags do not eliminate the need for seat belts and are not designed to offer protection in rollovers, rear, or side impacts. In fact, maximum air bag effectiveness depends upon seat belts, which help keep you in place should a collision occur.

Although air bags provide life-saving benefits for the vast majority of people, there are situations in which air bag deployment can have adverse effects. These include situations when occupants are unbelted and/or are too close to the air bag when it deploys. You can significantly reduce the risk of injury from an air bag by observing the following basic safety rules:

- *Buckle your seat belt*
- *Keep about 10 inches or more between your breastbone and the air bag*
- *Never place a rear-facing infant seat in front of an air bag, even a reduced-power air bag, unless the air bag on-off switch is in the OFF position*
- *Place children 12 years and under in the back seat and make sure they are properly restrained, either in a seat belt or a child safety seat appropriate for their size and weight.*

Redesigned air bags. In March 1997, NHTSA enhanced automakers' ability to reduce the power of their air bags by 20 to 35 percent. Automakers are now including reduced-power air bags in almost all model year 2000 vehicles.

In addition, automakers are now beginning to introduce more advanced features into air bags. For example, some systems automatically detect the presence of small children seated by an air bag, or adults too close to an air bag, and turn off the air bag for as long as necessary. Some systems automatically modify the way the air bag works for different size occupants and for different levels of crash severity. Because these systems are very new, charts only indicate that the vehicle has one or more of these features. You will need to talk with the dealer or review the owner's manual to learn which features are available for the air bags in your new vehicle.

On-off switches. An on-off switch can deactivate driver or passenger air bags. Vehicles without rear seats, or with small rear seats, such as pickups and sports cars, may have a passenger-side, on-off switch as standard equipment.

In addition, drivers and passengers fitting certain risk profiles can get authorization from NHTSA to have an on-off switch installed by a dealer or repair facility if a switch is available for the vehicle they own.

The four risk profiles are:

- *Cannot avoid placing a rear-facing infant seat in the front seat*
- *Have been advised by a physician that you have a medical condition that places you at specific risk*
- *Cannot adjust your driver's position to keep your breastbone back approximately 10 inches from the center of the steering wheel*
- *Cannot avoid situations, such as a car pool, that require a child 12 or under to ride in the front seat.*

You can get a brochure about on-off switches and an installation request form from local vehicle dealerships, AAA offices, state motor vehicle offices, and NHTSA. Since on-off switches are not available for all vehicles, verify availability of a switch for the vehicle you want to purchase. If you've already made your purchase, verify availability of a switch before you request authorization for installation.

Side impact air bags. Side impact air bags, which are not required by law, provide additional chest protection to adults in many side crashes; some also provide head protection. Consumers should be aware that children who are seated in close proximity to a side air bag may be at risk of serious or fatal injury if the air bag deploys, especially if the child's head, neck, or chest is close to the air bag at the time of

deployment. Because there are variations in the design and performance of side air bags, check with the dealer or read the owner's manual for information and warnings about child passengers and side impact air bags. Since children 12 and under should ride in the back seat, if you have children make sure to check with the manufacturer or dealer before purchasing a vehicle with an activated rear side air bag to ensure that the manufacturer has determined that those side air bags impose no significant risk to children.

Head Injury Protection

Head injury protection consists of foam or other energy absorbing material under the trim of the vehicle interior and is likely to be invisible to vehicle occupants. Some vehicles have head air bags. Both types of protection are designed to shield occupants from injuries caused when their head strikes the upper interior of a vehicle.

By the year 2003, all vehicles must meet new federal standards for head injury protection. Charts show which model year 2000 vehicles already meet them.

Head Restraints

Head restraints are extensions of the vehicle's seats that limit head movement during a rear-impact crash, thus, reducing the probability of neck injury. While you must adjust most head restraints manually, some adjust automatically with changes in seat position or in a crash. You can move manually adjustable head

restraints up and down (vertical adjustments) and, in some instances, forward and backward (horizontal adjustments).

To be effective, the top of the head restraint should be between the top of your ears and the top of your head. Horizontal placement should be as close to your head as possible, without pushing your head forward or causing the height of the head restraint to drop. Federal law specifies size and strength requirements only for front seat head restraints. In the safety features charts, a ††† indicates rear seat head restraints that meet these same requirements.

Anti-lock Brake Systems

Anti-lock brake systems (ABS) prevent a vehicle's wheels from locking during "panic" braking and allow the driver to maintain steering control as the vehicle slows - a key factor in avoiding a collision. However, ABS do not guarantee your ability to avoid a crash. Furthermore, you still may lose control when driving at excessive speeds or when using extreme steering maneuvers. Learning to use anti-lock brake systems correctly will provide you with the greatest benefit from the system.

All passenger cars equipped with ABS have four-wheel ABS. Sport utility vehicles, trucks, and vans equipped with ABS can have either four-wheel or two-wheel ABS. Four-wheel ABS monitor and control all the wheels of the vehicle, while two-wheel ABS only

monitor and control the rear wheels of a vehicle. The full benefits of ABS are not available to the driver with a two-wheel ABS. In vehicles with two-wheel ABS, the front wheels can still lock during hard or panic braking and this lockup can result in the loss of steering control.

Traction Control

Traction control systems improve vehicle stability by controlling the amount the drive wheels can slip when you apply excess power. The system automatically adjusts the engine power output and, in some systems, applies braking force to selected wheels during acceleration. Traction control is mainly found on vehicles with four-wheel, anti-lock brake systems.

All-Wheel Drive

All-wheel drive distributes power to both front and rear wheels to maximize traction. Unless combined with traction control, all-wheel drive systems do not prevent the drive wheels from slipping when you apply excess power during acceleration.

Automatic-Dimming Rearview Mirrors

Conventional interior rearview mirrors have a manual day/night lever that drivers switch to reduce glare from rear-approaching vehicles. Automatic-dimming rearview mirrors automatically darken to reduce headlight glare. They dim gradually as the glare gets brighter. Some vehicles also have outside mirrors that automatically dim as the inside mirror dims.

Daytime Running Lights

Daytime running lights increase the ability of oncoming drivers to see your vehicle. Since they may not include tail lights or other exterior lights, remember to turn your headlights on at dusk.

Child Passenger Equipment

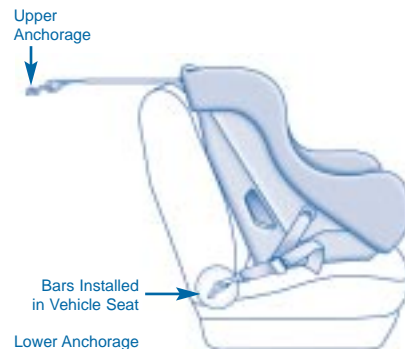
Many of the safety features described above benefit adults and children. The following features are specific to children. For additional information on child safety features, you can obtain a free copy of NHTSA's brochure, *Buying a Safer Car for Child Passengers*, from the DOT Hotline. It provides comprehensive information on safety features to consider when purchasing a vehicle in which children will ride.

New child seat attachment system. In fall 1999, consumers will begin to see a new standardized child safety seat system that will simplify child safety seat installation and enhance child safety. Starting September 1999, most new passenger cars and many light trucks will be equipped with tether anchors and most child safety seats will have top tethers that attach to the vehicle tether anchors. Tethers improve protection by attaching the top of the safety seat more securely to the vehicle. On or after September 1, 2000, all new cars and light trucks will be equipped with tether anchors. Charts show which vehicles already have them.

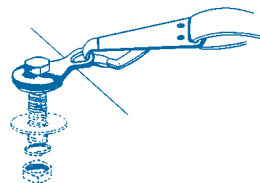
In addition, this system calls for vehicles to be equipped with new, special child seat attachment points between a vehicle's seat cushion and seat back that will be separate from the vehicle's seat belts. This system will be in almost all new cars and light trucks by the 2003 model year, and will greatly simplify child seat installation. In addition, by September 2002, all new child safety seats will have two lower attachments which are compatible with the vehicle system.

Built-in Child Safety Seat. Some manufacturers now offer the option of a child safety seat permanently installed in a vehicle's rear seat. If you select this option, make sure you read about proper use requirements, such as weight and height capacity, in the owner's manual.

2-Point Attachment with Top Tether



Top Tether



Additional Cost and Safety Considerations

With an average cost of about \$20,000, buying a new vehicle is an important financial decision. Check buying guides, available at newsstands, libraries, or on the Internet to learn more about standard and optional safety features. Once you know which features are standard, you can begin making cost comparisons for safety.

Find out about manufacturers' "clones," which are nearly identical vehicles marketed under different names. For example, you could come out ahead on safety buying the high-end model of a clone—with standard safety features—instead of the low-end model of the more heavily promoted vehicle with those features added as options.

In addition to crash-test data, consider all the features we've described—seat belt features, air bags, head injury protection, head restraints, anti-lock brake systems, traction control, all-wheel drive, and automatic-dimming rearview mirrors. Other important safety equipment, which is often standard, includes right-side mirrors and rear window defrosters—and, don't forget built-in child restraints.

Perform a Safety Check

Try on the seat belt and take a test drive to ensure that you are comfortable while driving the vehicle. During your test drive, make sure head restraints, roof structures, and windshield designs do not interfere with your ability to see clearly. Take the time to test drive the vehicle at dusk and in the evening to determine your comfort with the visibility provided by the headlamps. If you have an older child safety seat that is not designed to work with the new child seat attachment system, install it to check for compatibility. Make sure to read about proper use and installation in the owner's manual.

Get the Latest Information From the DOT Web Site and Hotline

DOT's web site at www.nhtsa.dot.gov and the DOT Auto Safety Hotline: 888-DASH-2-DOT (888-327-4236) have the latest information on crash-test ratings and other important vehicle safety information. You can go online to get information immediately, or call the hotline to have information sent.

Vehicle crash test results and the dates for new vehicle testing are available online. The charts in back also include the dates for new vehicle testing. You can call the hotline to request a copy of *Buying a Safer Car, 1999*, which has the crash-test results for all 1999 vehicles.

Crash-test ratings for 1999 and earlier vehicle model years are also available online.

The web site and hotline are excellent resources for information on crash-test scores, safety features, theft ratings, child passenger safety, and more. Call the hotline to request a copy of *Buying a Safer Car for Child Passengers*, which provides important information to consider when purchasing a vehicle in which children ride. If you have a safety problem with your vehicle, report it to the hotline. In 1996, 82 percent of NHTSA's defect investigations were initiated as a result of calls to the hotline.

On The Web
www.nhtsa.dot.gov
Auto Safety Hotline
888-DASH-2-DOT

Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS						S A F E T Y									
Make	Model							SEAT BELTS									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection		
2000 Mini Passenger Cars (1500–1999 lbs. curb weight)																	
Chevrolet	Metro										S						
Honda	Insight	TBT	TBT			2DR			S	S	S				S		
Suzuki	Swift										S						
2000 Light Passenger Cars (2000–2499 lbs. curb weight)																	
Chevrolet	Prizm	★★★★	★★★★	★★★	★★★	4DR	S			S	S	S		A			
		★★★★	★★★★	★★★★	★★★	4DRw/SAB											
Daewoo	Lanos						S			S	S						
Daewoo	Nubira						S			S	S						
Ford	Escort	★★★	★★★	★★★	★★★	4DR	S				S				S		
Ford	Escort ZX2			★	★★★★	2DR					S				S		
Ford	Focus	TBT	TBT	TBT	TBT	2DR	S			S	S	S		A	S		
		TBT	TBT	TBT	TBT	4DR											
Honda	Civic	★★★★	★★★★	★★	★★★	2DR	A				S						
		★★★★	★★★★	★★★	★★★★ ¹	4DR											
Honda	S2000									S	S				S		
Kia	Sephia						S								S		
Mazda	MX-5 Miata										S						

F E A T U R E S

Child Safety Features									
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats
		A		S					S
		S							S
		A		S					S
	S ^{†††}	A			S			A	S
		A							S
	S	A							S
		A							S
		A							S
		A	A						S
		A							S
		S							
		S		A				S	S
		A				S			

Crash-Test Results

★★★★ = Best

★ = Worst

†	High likelihood of pelvic injury
††	Vehicle rolled one-quarter turn after impact
SAB	Side Air Bag
TBT	To Be Tested
ND	No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments
2DR	2-door model
4DR	4-door model
EV	Electric Vehicle
4x4	4-wheel drive model
Cab	Regular Cab
ExCab	Extended Cab
Quad	Quad Cab

Safety Key

S	Standard on all vehicles in that model line
A	Available as an option on some or all vehicles in that model line; or standard on some vehicles in that model line but not available or an option on others; or will be introduced part way through the model year as standard on all vehicles in that model line
†††	in Rear Seat Head Restraint Column indicates that the restraint voluntarily meets federal standards for front seat head restraints

Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt -Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Make	Model															
Mazda	Protege	****	****	***	****	4DR	S				S	S		A	S	
Mercedes-Benz	SLK									S	S			S		
Mitsubishi	Mirage						S		S	S	S					
Nissan	Altra EV						S			S						
Nissan	Sentra						S			S	S	S		A	S	
Saturn	S-series	TBT	TBT	TBT	TBT	SL	S	S			S					
Suzuki	Esteem						S				S					
Toyota	Corolla	****	****	***	***	4DR	S			S	S	S		A		
		****	****	****	***	4DRw/SAB										
Toyota	Echo						A			S	S	S			S	
Toyota	MR2									S	S				S	
2000 Compact Passenger Cars (2500–2999 lbs. curb weight)																
Acura	Integra						A				S					
Audi	TT Coupe/Roadster									S	S					
BMW	Z3 roadster/coupe						A			S	S		S	S		
Chevrolet	Cavalier	***	****	*	**	2DR	S	S			S					
		****	****	*†	***	4DR										

F E A T U R E S

	Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
	A			A							S
				S	S		S				
				A							S
		S ^{†††}		S							S
	A			A							S
				A	A		S				S
				A			S				S
		S ^{†††}		A			S				S
		S		A			A				S
				S			S	S			
				S							S
				S	S	A		S			S
				S	S		A				
				S	A		S				S

Child Safety Features

Crash-Test Results

★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

Safety Key

S Standard on all vehicles in that model line

A Available as an option on some or all vehicles in that model line; or standard on some vehicles in that model line but not available or an option on others; or will be introduced part way through the model year as standard on all vehicles in that model line

††† in Rear Seat Head Restraint Column indicates that the restraint voluntarily meets federal standards for front seat head restraints

Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Make	Model	Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag
Chrysler	Sebring						S				S					
Dodge	Avenger						S				S					
Dodge	Neon	TBT	TBT	TBT	TBT	4DR	S				S				A	
Ford	Contour			***	****	4DR	S				S	S				
Honda	Prelude										S					
Hyundai	Accent						S			S	S				S	
Hyundai	Elantra			TBT	TBT	4DR	S			S	S					
Hyundai	Sonata						S			S	S	S		S	S	
Hyundai	Tiburon						S			S	S					
Mazda	626	****	*****	***	***	4DR	S				S	S		A		
Mercury	Cougar						S				S			A		
Mercury	Mystique			***	****	4DR	S				S	S				
Mitsubishi	Eclipse						S		S		S			A	S	
Mitsubishi	Eclipse Spyder								S		S				S	
Plymouth	Neon	TBT	TBT	TBT	TBT	4DR	S				S				A	
Plymouth	Prowler														S	
Pontiac	Sunfire	***	****	*	**	2DR	S	S			S					
		****	****	*†	***	4DR										

F E A T U R E S

										Child Safety Features	
Head Air Bag		Rear Seat Head Restraint		ABS - 2-wheel		ABS - 4-wheel		Traction Control		All-Wheel Drive	
Daytime Running Lights		Auto-Dimming Rearview Mirrors		Air Bag On/Off Switch		Built-in Child Seats		Top Tether Anchor			
				A				A			S
				A							S
		A ^{†††}		A	A						S
				A	A						
				S							
		A		A							
		A		A							
		S		A	A						
				A							
	A			A	A						S
				A	A						S
				A	A						S
				A	A						
		A ^{†††}		A	A						S
								S	S		S
				S	A		S				S

Crash-Test Results

★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

Safety Key

S Standard on all vehicles in that model line

A Available as an option on some or all vehicles in that model line; or standard on some vehicles in that model line but not available or an option on others; or will be introduced part way through the model year as standard on all vehicles in that model line

††† in Rear Seat Head Restraint Column indicates that the restraint voluntarily meets federal standards for front seat head restraints

Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Make	Model															
Porsche	911 Carrera												S	S		
Porsche	911 Carrera Cabriolet												S	S		
Porsche	Boxster												S	S		
Subaru	Impreza					S										
Subaru	Legacy	TBT	TBT	TBT	TBT	4DR Wagon	S			S	S	S		A	A	
Toyota	Celica									S	S			A	S	
Volkswagen	Cabrio					S				S	S					
Volkswagen	Golf					S				S	S	S		S		
Volkswagen	GTI					S				S	S	S		S		
Volkswagen	Jetta	TBT	TBT	TBT	TBT	4DR	S			S	S	S		S	S	
Volkswagen	New Beetle	****	****	*****	***	2DR	S			S	S			S		
2000 Medium Passenger Cars (3000–3499 lbs. curb weight)																
Acura	3.2 TL					S				S	S	S	S	S		
Acura	NSX series							S	S							
Audi	A4 Avant					S			S	S	S		S			
Audi	A4/S4					S			S	S			S			
Audi	A6	TBT	TBT			4DR	S			S	S	A		S		
Audi	A6 Avant					S				S	S	S		S		

F E A T U R E S

Child Safety Features											
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor	
		S	A			A				S	
		S	A			A					
		S	A			A					
		A		S					S		
		S		S	S			A	S		
		A			S				S		
		S			S				S		
	S ^{†††}	S	A		S				S		
	S ^{†††}	S	A		S	A			S		
	S ^{†††}	S	A		S	A			S		
	S ^{†††}	S	A		S				S		
		S	S			S				S	
		S	S							A	
A	S ^{†††}	S	S	A		A			S		
A	S ^{†††}	S	S	A		A			S		
A	S ^{†††}	S	S	A		A			S		
A	S ^{†††}	S	S	A		A			S		

Crash-Test Results

★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

Safety Key

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Make	Model	Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag
BMW	3 Series						S			S	S		S	S	S	
BMW	M roadster/coupe						A			S	S		S	S		
Buick	Century	****	***	***	***	4DR	S	S			S			A		
Buick	LeSabre	TBT	TBT	TBT	TBT	4DR	S	S	S			S		S	S	
Buick	Regal	****	***	***	***	4DR	S	S			S			A		
Chevrolet	Camero	****	*****	***	****	2DR										
Chevrolet	Corvette															
Chevrolet	Impala	*****	*****	TBT	TBT	4DR	S	S			S	S		A	S	
Chevrolet	Lumina	****	*****	****	***	4DR	S	S			S					
Chevrolet	Malibu	****	****	TBT	TBT	4DR	S	S			S					
Chevrolet	Monte Carlo						S	S			S				S	
Chrysler	300M	TBT	TBT			4DR	S				S				A	
Chrysler	Cirrus	***	****	***	**	4DR	S				S					
Chrysler	Concorde	****	****	TBT	TBT	4DR	S				S				S	
Chrysler	LHS	TBT	TBT	TBT	TBT	4DR	S				S				S	
Chrysler	Sebring Convertible						S		S							
Daewoo	Leganza						S			S					S	
Dodge	Intrepid	****	****	****	***	4DR	S				S				A	

FEATURES

Child Safety Features										
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
S	S†††		S	S		A	A			S
			S	S			A			
			S	S		S	A			S
			S	A		S	A			S
			S	S		S	A	A		S
			S	A		S				S
			S	S		S	A	A		
			A	A		S	A			S
			S			S	A			S
			S			S				S
			S	A		S	A			S
	S†††		S	S			S			S
			S							S
			A	A			A			S
			S	S			S			S
			S	A			A			
			S	A						S
			A	A			A			S

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4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt -Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Make	Model															
Dodge	Stratus	***	****	***	**	4DR	S				S					
Dodge	Viper															
Ferrari	360 Modena convertible									S					S	
Ferrari	360 Modena coupe						S			S					S	
Ferrari	456 MGT/MGTA															
Ferrari	550 Maranello															
Ford	Mustang	****	****	***	***	2DR										
Ford	Mustang Cobra										S					
Ford	Taurus	TBT	TBT	***	***	4DR	S			S	S	A	S	A	S	
		TBT	TBT	TBT	TBT	4DRw/SAB										
Honda	Accord			***	****	2DR										
		TBT	TBT	****	****	4DR	A					S	S	A	S	
		TBT	TBT	TBT	TBT	4DRw/SAB										
Infiniti	G20						S			S	S	S		S		
Infiniti	I30	TBT	TBT	TBT	TBT	4DR	S			S	S	S		S	S	
Lexus	ES300			*****	****	4DR	S			S	S	S		S	S	
Mazda	Millenia						S				S					
Mercedes-Benz	C-Class						S	S		S	S			S		

FEATURES

Child Safety Features										
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-In Child Seats	Top Tether Anchor
			A							S
			S	S			S			S
			S	S						S
			S	S						
			S	S						S
			A	A						S
			S	S						S
			A	A						S
			A							S
	S	S ^{†††}	S							S
	S	S ^{†††}	S	A			A			S
		S	S	S		S	S			S
		A ^{††}	S	A						
		S ^{†††}	S	S			S			S

Crash-Test Results

★★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

Safety Key

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Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Make Model		Vehicle Size and Type		CRASH-TEST RESULTS										S A F E T Y					
										SEAT BELTS									
										Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested															
Mercedes-Benz	CLK-Class					A	A		S	S			S						
Mercury	Sable	TBT	TBT	***	***	4DR	S		S	S	A	S	A	S					
		TBT	TBT	TBT	TBT	4DRw/SAB													
Mitsubishi	Galant	****	****			4DR	S		S		S	S		A	A				
		****	****	*****	*****	4DRw/SAB													
Nissan	Altima	TBT	TBT	***	***	4DR	S		S	S	S		A	S					
Nissan	Maxima	TBT	TBT	TBT	TBT	4DRw/SAB	S		S	S	S		A	S					
Oldsmobile	Alero	****	****	***	***	4DR	S	S		S				S					
Oldsmobile	Intrigue	****	**	***	*	4DR	S	S		S									
Plymouth	Breeze	***	****	***	**	4DR	S			S									
Pontiac	Firebird	****	*****	***	****	2DR													
Pontiac	Grand Am	****	****	***	***	4DR	S	S		S				S					
Pontiac	Grand Prix						S	S		S									
Saab	9-3						S		S		S		S	A					
Saab	9-5						S	S	S	S	S		S						
Saturn	I-series	TBT	TBT	TBT	TBT	LS	S	S		S									
Toyota	Avalon			TBT	TBT	4DR	S		S	S	S		S	S					

FEATURES

Child Safety Features									
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Top Tether Anchor
	S ^{†††}		S	S			S		A
			A	A					S
	A		A	A					S
	A		A						S
			S	A					S
			S	S		S			S
			S	A		S	A		S
			A						S
			S	A		S			S
			S	A		S			S
			S	S		S	A		S
	S	S	S			S		A	S
	S	S	S	S		S		A	A
			A	A		S			S
		S	S	A		S	A		S

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TBT To Be Tested

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2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS						S A F E T Y								
								SEAT BELTS								
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Make	Model															
Toyota	Camry	TBT	TBT	***	***	4DR	S			S	S	S		A	S	
		TBT	TBT	****	ND	4DRw/SAB										
Toyota	Camry Solara			***	*****	2DR				S	S	A		A	S	
Volkswagen	Passat	TBT	TBT	TBT	TBT	4DR	S			S	S	S		S		
Volvo	C70									S	S			S		
Volvo	S40						S			S	S	S		S		
Volvo	S70	*****	*****	****	ND	4DR	S			S	S	S		S		
Volvo	S80	TBT	TBT	*****	*****	4DR	S			S	S	S		S	S	
Volvo	V40						S			S	S	S		S		
Volvo	V70	*****	*****	****	ND	4DR	S			S	S	S		S		
2000 Heavy Passenger Cars (3500 lbs. and over curb weight)																
Acura	3.5 RL						S			S	S	S	S	S		
Audi	A8						S			S	S	S		S		
Bentley	Amage						S			S		S				
Bentley	Azure						S		S	S						
Bentley	Continental						S		S	S						
BMW	5 Series						S			S	S	S	S	S		
BMW	7 Series						S			S	S		S	S		

FEATURES

Child Safety Features										
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
	S		A	A		A				S
	A		A	A		S	A			S
	S ^{†††}		S	S		S	A			S
	S	S	S	A		S	S			A
	S	S	S	A		S		A		S
	S	S	S	A	A	S				S
	S	S	S	S		S	S			S
	S	S	S	A		S		A		S
	S	S	S	A	A	S		A		S
			S	S		S				S
	S	S ^{†††}	S	S	A		S			S
		S ^{†††}	S	S			S			S
			S	S			S			S
	S		S	S			S			S
	S	S ^{†††}	S	S		A	A			S
	S	S ^{†††}	S	S		A	A			S

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SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS										S A F E T Y								
							SEAT BELTS													
							Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature				
Make	Model																			
BMW	7 Series Protection						S				S	S		S	S					
Buick	Park Avenue						S	S	S						S					
Cadillac	Catera						S	S			S	S	S		S					
Cadillac	DeVille	TBT	TBT	TBT	TBT	4DRw/SAB	S	S	S		S		S		S	S				
Cadillac	Eldorado						S													
Cadillac	Seville						S		S		S		S	A	S					
Ford	Crown Victoria	*****	*****	****	****	4DR	S													
Infiniti	Q45						S				S	S	S		S					
Jaguar	S-Type						S				S	S	S		S	S				
Jaguar	XJ-Series						S				S		S		S					
Jaguar	XK-Series						A				S	S								
Lexus	GS300/400						S				S	S	S		S	S				
Lexus	LS400						S				S	S	S		S					
Lexus	SC300/400										S									
Lincoln	Continental						S						S		S					
Lincoln	LS						S				S	S	S		S	S				
Lincoln	Town Car	TBT	TBT	****	****	4DR	S						S		S					
Mercedes-Benz	CL-Class						S	S	S		S	S			S	S				

F E A T U R E S

										Child Safety Features	
Head Air Bag		Rear Seat Head Restraint		ABS - 2-wheel		ABS - 4-wheel		Traction Control		All-Wheel Drive	
Daytime Running Lights		Auto-Dimming Rearview Mirrors		Air Bag On/Off Switch		Built-in Child Seats		Top Tether Anchor			
	S ^{†††}		S	S		A	A				S
			S	A		S	A				S
	S ^{†††}		S	S		S	S				S
			S	S		S	S				S
			S	S		S	S				S
			S	S		S	S				S
			S	A			A				S
S	S ^{†††}		S	S			S				S
	S		S	S			S				
	S		S	S			S				
			S	S			S				
	S		S	S		S	S				S
	S		S	S		S	S				S
			S	A		S	S				
			S	S			S				S
	S		S	A			A				S
			S	S			A				S
S	S ^{†††}		S	S		S	S				S

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EV Electric Vehicle

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Make	Model	Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt -Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag
Mercedes-Benz	E-Class						S	S		S	S	S		S		
Mercedes-Benz	S-Class						S	S		S	S	S		S	S	
Mercedes-Benz	SL-Class						S		S	S				S		
Mercury	Grand Marquis	*****	*****	****	****	4DR	S									
Mitsubishi	Diamante						S		S	S	S	S				
Pontiac	Bonneville			TBT	TBT	4DR	S	S	S					S	S	
Rolls Royce	Silver Seraph						S			S		S				
2000 Sport Utility Vehicles																
BMW	X5						S	S		S	S		S	S	S	
Cadillac	Escalade	****	****			4x4	S	S								
Chevrolet	Blazer	***	****	*****	*****	4x4	S	S			S					
Chevrolet	Suburban						S	S	S					S	S	
Chevrolet	Tahoe	TBT	TBT			4x4	S	S	S					S	S	
Chevrolet	Tracker						S				S				S	
Daewoo	Korando						S			S	S				S	
Dodge	Durango	**	****			4x4	S	S			S					
Ford	Excursion						S	S								
Ford	Expedition	****	****			4X4	S	S						A		

F E A T U R E S

	Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
	S	S†††		S	S	A		S			S
	S	S†††		S	S		S	S			S
				S	S			S			
				S	A			A			S
		S		S	A						S
				S	A		S	A			S
		S†††		S	S			S			S
	S	S†††		S	S	S	A	A			S
		S†††		S		S	S	S			S
		S†††		S		A	S	A			S
		S†††		S		A	S	A			S
		S†††		A			S				
		A†††		S	A	S		A			S
		S†††	S	A		A		A			
		S		S		A		S			S
		S		S		A		A			S

Child Safety Features

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SAB Side Air Bag

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2DR 2-door model

4DR 4-door model

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4x4 4-wheel drive model

Cab Regular Cab

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS						S A F E T Y								
							SEAT BELTS									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Ford	Explorer	★★★★	★★★★			4X4	S									
		★★★★	★★★★	★★★★	★★★★	4X4w/SAB							A			
GMC	Denali	★★★★	★★★★			4X4	S	S								
GMC	Jimmy/Envoy	★★★	★★★★	★★★★	★★★★	4x4	S	S			S					
GMC	Yukon	TBT	TBT			4x4	S	S	S				S	S		
GMC	Yukon XL						S	S	S				S	S		
Honda	CR-V	★★★★	★★★★	★★★★††	★★★★††	4X4	S			S	S					
Honda	Passport			★★★★††	★★★★††		S	S			S			S		
Infiniti	QX4	★★★★	★★★★	★★★★	★★★★	4X4	S			S	S		S			
Isuzu	Amigo						S				S					
Isuzu	Rodeo			★★★★††	★★★★††		S	S			S			S		
Isuzu	Trooper						S				S					
Isuzu	Vehicross						S				S					
Jeep	Cherokee	★★★	★★★	★★★	★★★★	4X4	S									
Jeep	Grand Cherokee	★★★	★★★	★★★★	★★★★	4X4	S	S			S			S		
Jeep	Wrangler	★★★★	★★★★			4X4	S									
Kia	Sportage															
Land Rover	Discovery Series II						S			S	S	S		S		

FEATURES

Child Safety Features									
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats
A	S		A		A				
S ^{†††}	S	S	S	S	S	S			S
S ^{†††}	S		A	S	A				S
S ^{†††}	S		A	S	A				S
S ^{†††}	S		A	S	A				S
	A		A						
S	S		A						
S	S ^{†††}	S	S						
S	S		A						
S	S		A						
S	S		A						
S	S		A						
S ^{†††}	S		A		A				
	A		S			S			
	S		A						
S ^{†††}	S	S	S		S				

Crash-Test Results

★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

Safety Key

S Standard on all vehicles in that model line

A Available as an option on some or all vehicles in that model line; or standard on some vehicles in that model line but not available or an option on others; or will be introduced part way through the model year as standard on all vehicles in that model line

††† in Rear Seat Head Restraint Column indicates that the restraint voluntarily meets federal standards for front seat head restraints

Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Make Model		Vehicle Size and Type		CRASH-TEST RESULTS										S A F E T Y					
									SEAT BELTS										
									Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt
Land Rover	Range Rover						S	S			S	S			S				
Lexus	LX470						S	S			S	S	S						
Lexus	RX300						S				S	S			S				
Lincoln	Navigator	****	****			4X4	S	S							S				
Mercedes-Benz	ML-Class						S	S			S	S	S		S	S			
Mercury	Mountaineer	****	****			4X4	S								A				
		****	****	*****	*****	4X4w/SAB													
Mitsubishi	Montero						S			S		S							
Mitsubishi	Montero Sport						S			S		S							
Nissan	Pathfinder	****	*****	*****	*****	4X4	S				S	S			A				
Nissan	Xterra	TBT	TBT	TBT	TBT		S				S	S				S			
Oldsmobile	Bravada	***	****	*****	*****	4x4	S	S				S							
Subaru	Forester	****	****				S					S							
Suzuki	Grand Vitara						S					S				S			
Suzuki	Vitara						S					S				S			
Toyota	4Runner	****	*****	*****	*****	4x4	S				S	S							
Toyota	Land Cruiser						S	S			S	S	S						
Toyota	RAV4	****	****	*****	*****	4DR 4X4	A				S	S							

FEATURES

	Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
	S		S	S	S		S				
	S		S	S	S	S	S				
	S		S	A	A	S	A				
	S		S		A		S			S	
	S ^{†††}		S	S	S		A				
	A		S		A		A				
	S		S		S						
	S		A		A					S	
A	S ^{†††}		S		A						
			S		A					S	
	S ^{†††}		S		S	S	S			S	
			A		S					S	
	S ^{†††}		A			S					
	S ^{†††}		A			S					
	S		A		A	A					
	S		S	S	S	S					
	S		A		A	A					

Child Safety Features

Crash-Test Results

★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

Cab Regular Cab

ExCab Extended Cab

Quad Quad Cab

Safety Key

S Standard on all vehicles in that model line

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††† in Rear Seat Head Restraint Column indicates that the restraint voluntarily meets federal standards for front seat head restraints

Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	SEAT BELTS									
Make	Model						Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
2000 Light Trucks																
Chevrolet	S-10	TBT **	TBT ***	TBT ***	TBT ND	Cab ExCab					S					
Chevrolet	S-10 Electric										S					
Chevrolet	Silverado	TBT	TBT			ExCab	S	S	S						S	
Dodge	Dakota			*****	ND	ExCab	S				S				A	
Dodge	Ram	**** ***	**** ****			ExCab Quad	S		A							
Ford	F-150	**** TBT	**** TBT	***** TBT	ND TBT	Cab ExCab	S									
Ford	Ranger	**** TBT *****	**** TBT *****	***** TBT	ND TBT	Cab ExCab EV	S									
GMC	Sierra	TBT	TBT			ExCab	S	S	S						S	
GMC	Sonoma	TBT **	TBT ***	TBT ***	TBT ND	Cab ExCab					S					
Isuzu	Hombre	TBT	TBT	TBT	TBT	Cab					S					

F E A T U R E S

Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor	Child Safety Features
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			S			S		S		S
			S			S		S		S
		S ^{†††}	S			S	A	S		S
			S	A		A		A		A
			S	A		A		A		S
			S	A		A				S
			S	A		A				S
			S	A		A				S
		S ^{†††}	S		A	S	A	S		S
			S			S		S		S
			S			S		S		S

Crash-Test Results

★★★★ = Best

★ = Worst

†	High likelihood of pelvic injury
††	Vehicle rolled one-quarter turn after impact
SAB	Side Air Bag
TBT	To Be Tested
ND	No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments
2DR	2-door model
4DR	4-door model
EV	Electric Vehicle
4x4	4-wheel drive model
Cab	Regular Cab
ExCab	Extended Cab
Quad	Quad Cab

Safety Key

S	Standard on all vehicles in that model line
A	Available as an option on some or all vehicles in that model line; or standard on some vehicles in that model line but not available or an option on others; or will be introduced part way through the model year as standard on all vehicles in that model line
†††	in Rear Seat Head Restraint Column indicates that the restraint voluntarily meets federal standards for front seat head restraints

Note: For vehicles with more than one row of rear seats, features are listed for the first row only

Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS						S A F E T Y							
								SEAT BELTS							
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection
Mazda	B-Series	**** TBT	**** TBT	***** TBT	ND TBT	Cab ExCab	S								
Nissan	Frontier			****	ND	Cab	S			S	S				
Toyota	Tacoma			*	ND	ExCab	S			S	S				
Toyota	Tundra	TBT	TBT	TBT	TBT	ExCab	S			S	S				
2000 Vans															
Chevrolet	Astro	***	****				S	S			S				
Chevrolet	Express						S	S							
Chevrolet	Venture	****	***	*****	*****	2DR	S	S		S			S		
Chrysler	Town & Country LX	****	****	*****	***		S	S		S					
Dodge	Caravan	TBT	TBT	TBT	TBT		S	S		S					
Dodge	Grand Caravan	****	****	*****	***		S	S		S					
Dodge	Ram Van/Wagon						S			S					
Ford	Econoline Van	****	****				S			S					
Ford	Econoline Wagon	****	****				S			S					
Ford	Windstar	*****	*****	TBT	TBT		S	S		S			A	S	
		*****	*****	*****	*****	w/SAB									
GMC	Safari	***	****				S	S			S				

FEATURES

Child Safety Features										
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
	S	A		A			S			
	S	A		A			A			A
		A		A	A		S			
A		A		A	A		S			S
	S	S		A	S					S
		S			S					S
	S ^{†††}	S	A		S			A		S
	S ^{†††}	S	A	A		A		A		
	S ^{†††}	A						A		
	S ^{†††}	A	A	A		A		A		
	S	A					A			
		S					A			
		S								
	S	S	A			A				S
	A ^{†††}	S		A	S					S

Crash-Test Results

★★★★ = Best

★ = Worst

† High likelihood of pelvic injury

†† Vehicle rolled one-quarter turn after impact

SAB Side Air Bag

TBT To Be Tested

ND No Data, either because of instrument failure during the test or because the seat would not accommodate the test instruments

2DR 2-door model

4DR 4-door model

EV Electric Vehicle

4x4 4-wheel drive model

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Crash Test Results & Safety Features

Vehicle Size and Type		CRASH-TEST RESULTS					S A F E T Y									
							SEAT BELTS									
		Frontal — driver	Frontal — passenger	Side — front occupant	Side — rear occupant	Model Tested	Adjustable Upper Belt - Front	Adjustable Upper Belt - Rear	Integrated Seat	Pretensioner	Energy Management Feature	Rear Center Lap/Shoulder Belt	Advanced Airbag Feature	Side Air Bag	Head Injury Protection	
Make	Model															
GMC	Savana						S	S								
Honda	Odyssey	*****	*****	TBT	TBT		S	S		S	S	S			S	
Mazda	MPV			TBT	TBT		S	S			S			A	S	
Mercury	Villager	TBT	TBT	TBT	TBT		S								S	
Nissan	Quest	TBT	TBT	TBT	TBT		S								S	
Oldsmobile	Silhouette	****	***	*****	*****	2DR	S	S		S				S		
Plymouth	Grand Voyager	****	****	*****	***		S	S			S					
Plymouth	Voyager	TBT	TBT	TBT	TBT		S	S			S					
Pontiac	Montana	****	***	*****	*****	2DR	S	S		S				S		
Toyota	Sienna	*****	*****	****	*****		S			S	S	S				
Volkswagen	Eurovan						S			S	S					

On The Web: www.nhtsa.dot.gov

F E A T U R E S

Child Safety Features										
Head Air Bag	Rear Seat Head Restraint	ABS - 2-wheel	ABS - 4-wheel	Traction Control	All-Wheel Drive	Daytime Running Lights	Auto-Dimming Rearview Mirrors	Air Bag On/Off Switch	Built-in Child Seats	Top Tether Anchor
			S							S
			S	A						S
A	S ^{†††}		A							
	S		A					A	S	
	S ^{†††}		S					A	S	
	S ^{†††}		S	A		S			S	
	S ^{†††}		A					A		
	S ^{†††}		A					A		
	S ^{†††}		S	A		S		A	S	
	S		S			S				
	S ^{†††}		S	S		S			A	

Crash-Test Results

★★★★ = Best

★ = Worst

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SAB Side Air Bag

TBT To Be Tested

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2DR 2-door model

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4x4 4-wheel drive model

Cab Regular Cab

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Auto Safety Hotline: 888-DASH-2-DOT

DOT HS 808 988
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